



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET H0004478		SERIAL NO.: 10/699,416			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Thomas Y-T. Tam et al.			
(Use several sheets if necessary)				FILING DATE: October 31, 2003			
GROUP: 1732							
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>							
							TRANSLATION
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO
<b>OTHER DOCUMENTS(Including Author, Title, Date, Pertinent Pages, etc.)</b>							
PB		Eckert and Drake, Heat and Mass Transfer, McGraw-Hill Book Company, 1959, page 121					
EXAMINER /Patrick Butler/ (10/31/2006)				DATE CONSIDERED 10/31/2006			
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PB	4,411,854	10/25/1983	Maurer et al.	264	205	12/15/1981
PB	4,422,993	12/27/1983	Smith et al.	264	210.8	06/24/1980
PB	4,413,110	11/01/1983	Kavesh et al.	526	348	03/19/1982
PB	4,430,383	02/07/1984	Smith et al.	428	364	09/30/1982
PB	4,436,689	03/13/1984	Smith et al.	264	204	10/18/1982
PB	4,536,536	08/20/1985	Kavesh et al.	534	462	10/03/1983
PB	4,545,950	10/08/1985	Motooka et al.	264	210.8	12/28/1983
PB	4,551,296	11/05/1985	Kavesh et al.	264	177	01/20/1984
PB	4,612,148	11/16/1986	Motooka et al.	264	49	07/16/1985
PB	4,617,233	11/14/1986	Ohta et al.	428	364	05/21/1984
PB	4,663,101	05/05/1987	Kavesh et al.	264	178	01/11/1985
PB	5,032,338	07/16/1991	Weedon et al.	264	203	05/22/1989
PB	5,246,657	09/21/1993	Yagi et al.	264	210.6	05/13/1992
PB	5,286,435	02/15/1994	Slutsker et al.	264	205	12/31/1987

## FOREIGN PATENT DOCUMENTS

							TRANSLATION	
	DOCUMENT NUMBER	DATE	PATENTEE OR APPLICANT	CLASS	SUBCLASS		YES	NO
PB	GB 2,042,414A	09/24/1980	Smith et al.	D01D5	04		X	
PB	EP 0 320 188 A2	06/14/1989	Takeda et al.	D01F5	04		X	
PB	JP-A-60/52647	08/30/1983	Toyo Boseki K.K.	D02J1	22		X	<del>X</del>
PB	JP 238416-1995	09/12/1995	Oh-ya	D01F	6/04		X	
PB	EP 0 077,590	04/27/1983	Kirschbaum et al.	D01D5	04		X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

PB	P. Smith et al., "Ultrahigh-Strength Polyethylene Filaments by Solution Spinning/Drawing, 2, Influence of Solvent on the Drawability" <i>Macromol. Chem.</i> , 180, 2983 (1979)
PB	P. Smith et al., "Ultra-high-strength Polyethylene Filaments by Solution Spinning/Drawing" <i>J. Matl. Sci.</i> , 15, 505, 1980
PB	Kalb et al., "Hot Drawing of Porous High Molecular Weight Polyethylene, <i>Polymer</i> , 21, 3 (1980)
PB	J. Smook et al., "Influence of Spinning/Hot Drawing Conditions on the Tensile Strength of Porous High Molecular Weight Polyethylene", <i>Poly. Bull.</i> , 2, 775 (1980)

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PB	5,342,567	10/30/1994	Chen et al.	264	203	07/08/1993
PB	5,578,374	11/26/1996	Dunbar et al.	428	364	02/08/1995
PB	5,736,244	04/07/1998	Kavesh et al.	428	364	10/28/1995
PB	5,741,451	04/21/1998	Dunbar et al.	264	103	08/17/1995
PB	5,958,582	09/28/1999	Dunbar et al.	428	364	10/20/1998
PB	5,972,498	10/26/1999	Kavesh et al.	428	364	03/23/1998
PB	6,448,359	10/10/2002	Kavesh	526	352	03/27/2000

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						YES	NO

## OTHER DOCUMENTS(Including Author, Title, Date, Pertinent Pages, etc.)

PB		J. Smook et al., "the Effect of Temperature and Deformation Rate on the Hot Drawing Behavior of Porous High-Molecular Weight PE Fibers", J.Appl. Poly.Sci., 27, 2209 (1982)
PB		B. Kalb et al., "Spinning of High Molecular Weight PESolution and Subsequent Drawing in A Temperature Gradient", Poly. Bull., 1, 871 (1979)
PB		J. Smook et. al., "Elastic Flow Instabilities and Shish-Kebab Formation During Gel-Spinning Of Ultra-High Molecular Weight Polyethylene", J. Matl. Sci. 19, 31 (1984)
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